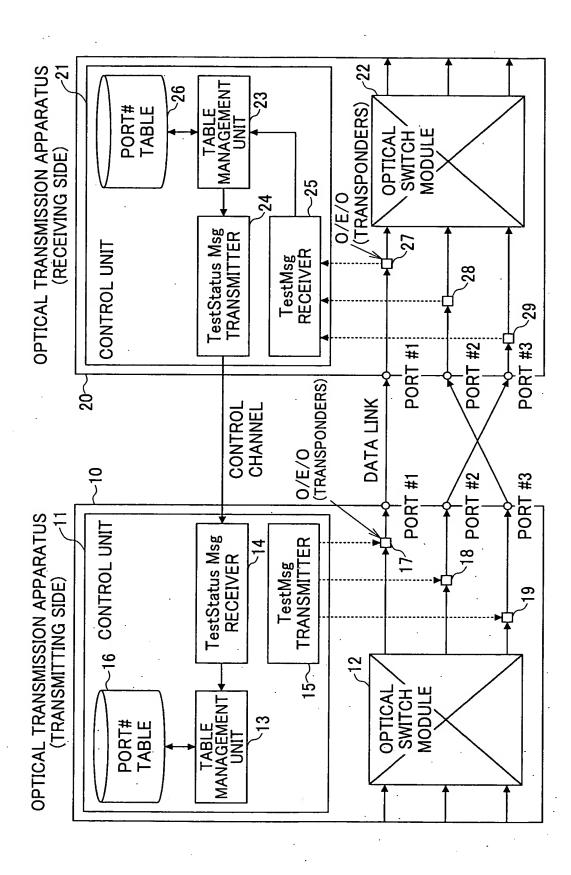
FIG.1



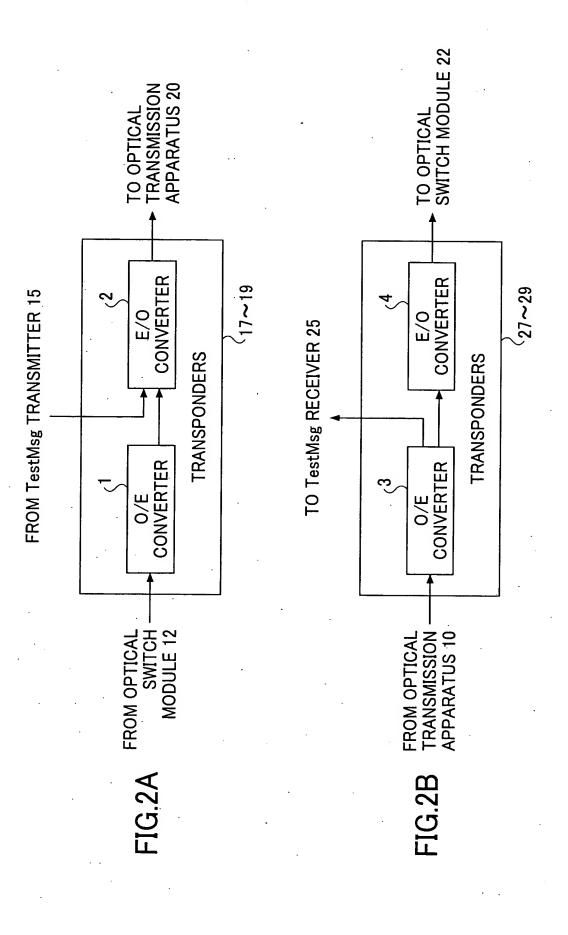


FIG.3

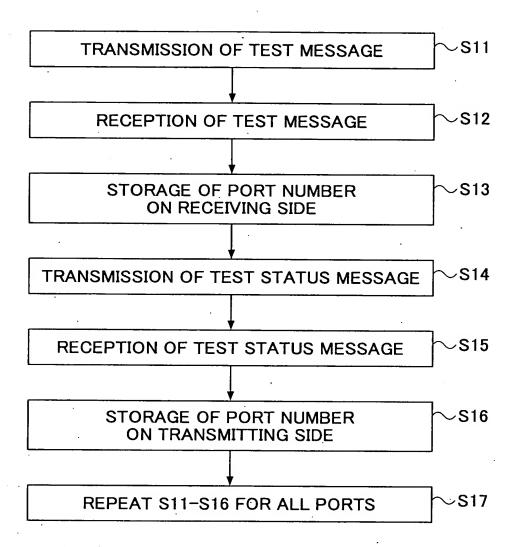


FIG.4A

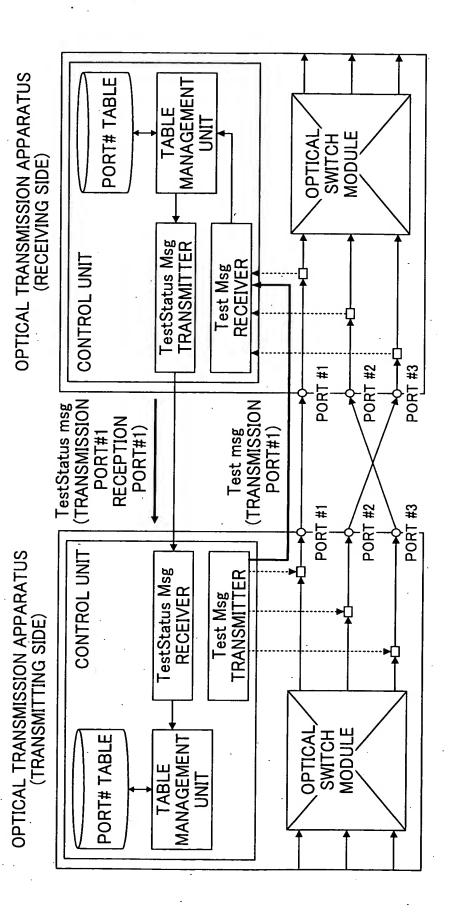


FIG.4B

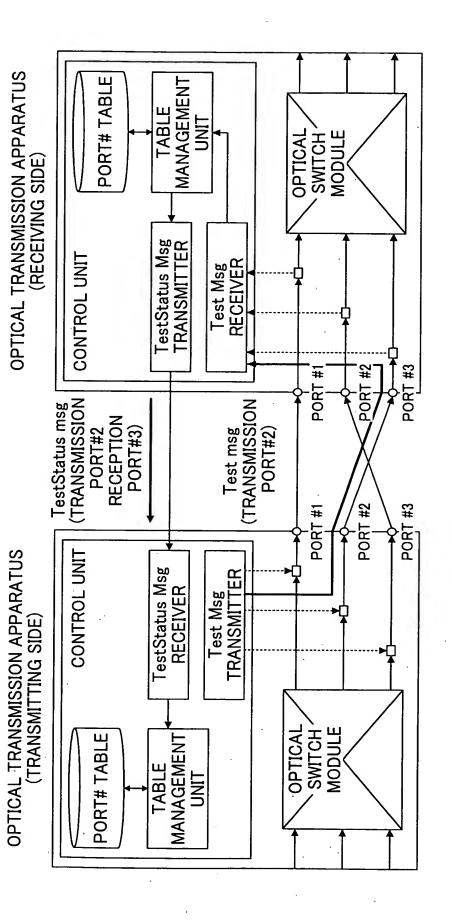
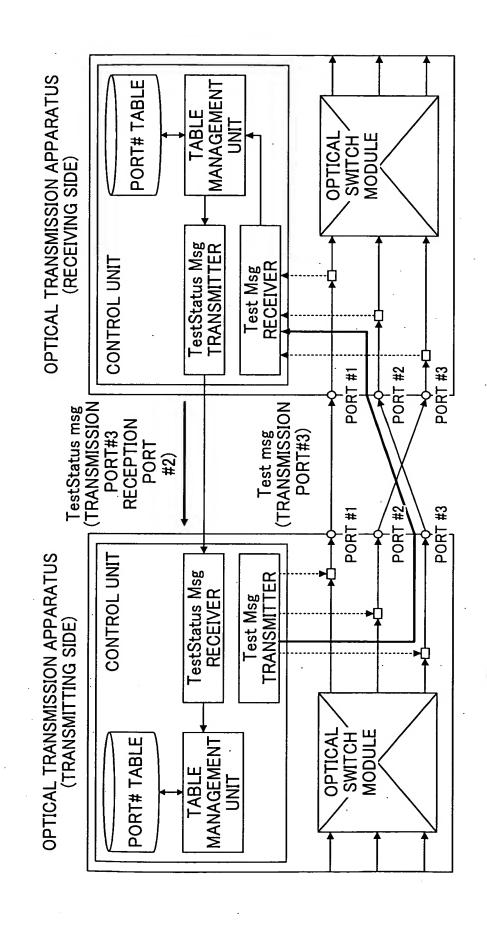


FIG.4C



-0/E OPTICAL TRANSMISSION APPARATUS (RECEIVING SIDE) PORT# TABLE 45 MANAGEMENT UNIT TestMsg RECEIVER TABLE 46 42 **OPTICAL** MODULE **SWITCH** 44 TestStatus Msg TRANSMITTER RECEPTION PORT CONTROLLER 48 CONTROL UNIT PORT #2 PORT #3 PORT #1 FIG.5 DATA LINK CONTROL CHANNEL PORT #2 PORT #3 PORT #1 3 **OPTICAL TRANSMISSION APPARATUS** CONTROL UNIT TRANSMISSION PORT CONTROLLER TestStatus Msg RECEIVER 34 (TRANSMITTING SIDE) OPTICAL SWITCH MODULE 32 ~36 38 /0 TRANSMITTER PORT# TABLE MANAGEMENT UNIT TestMsg ABLE 39 33 35

FIG.6

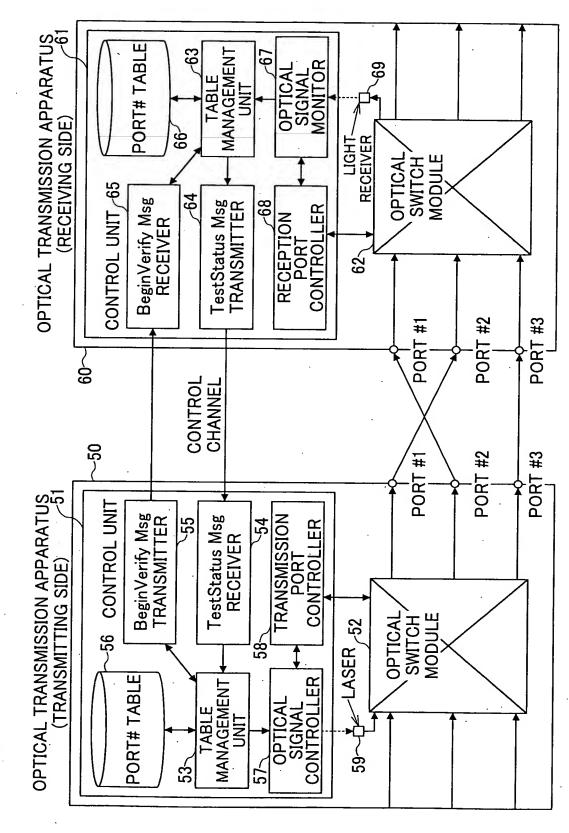


FIG.7

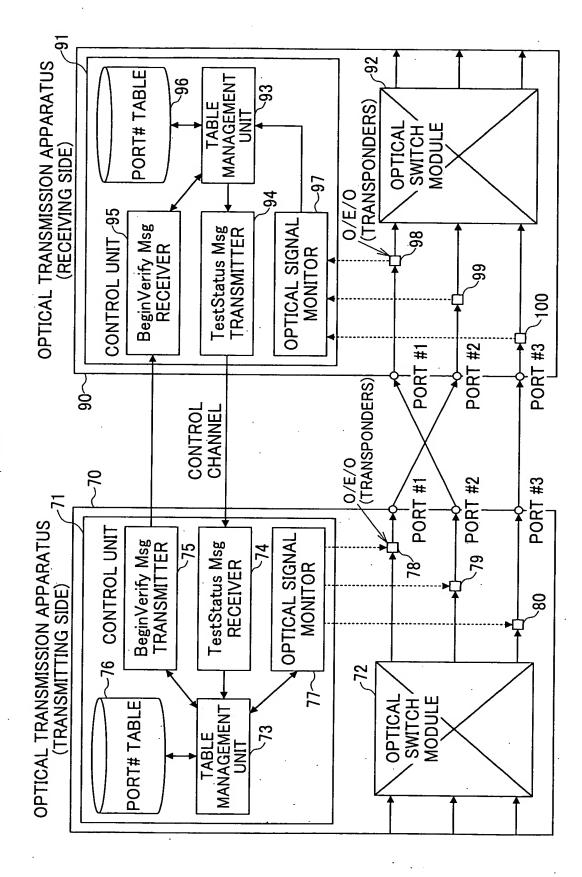


FIG.8

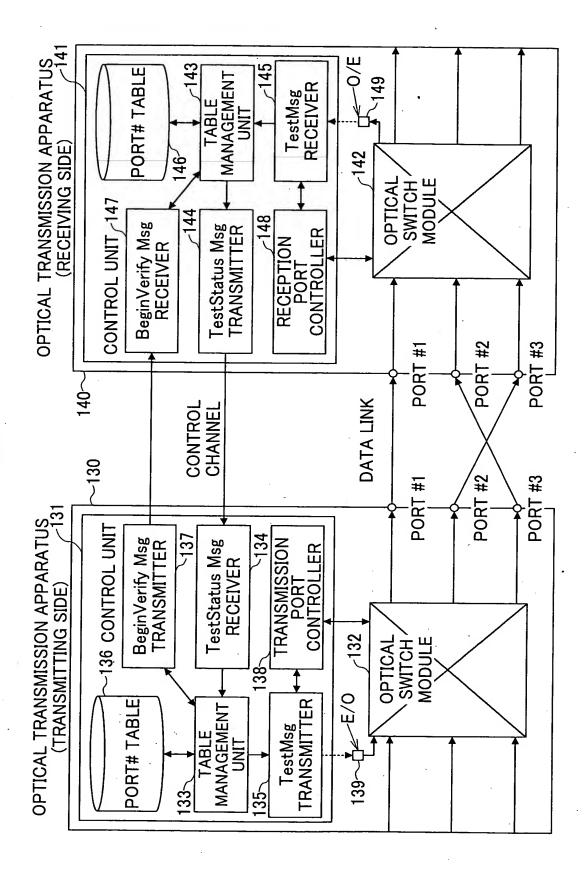


FIG.9

DESTINATION ADDRESS	\sim 101
SOURCE ADDRESS	\sim 102
MSG TYPE: TEST STATUS	\sim 103
TRANSMISSION PORT#	\sim 104
RECEPTION PORT#	\sim 105

FIG.10

DESTINATION ADDRESS	~111
SOURCE ADDRESS	\sim 112
MSG TYPE:TEST	\sim 113
TRANSMISSION PORT#	\sim 114

FIG.11

DESTINATION ADDRESS	\sim 121
SOURCE ADDRESS	\sim 122
MSG TYPE: BEGIN VERIFY	\sim 123
TRANSMISSION PORT#	\sim 124

FIG.12A

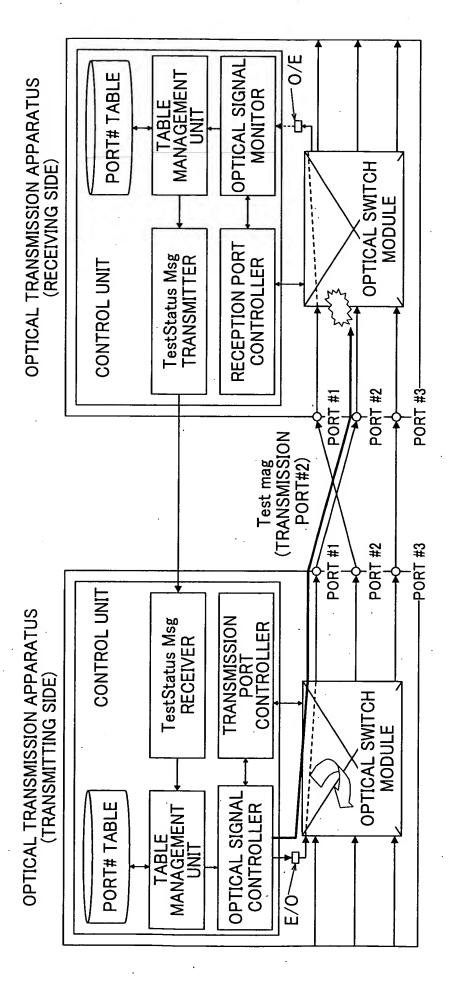


FIG.12B

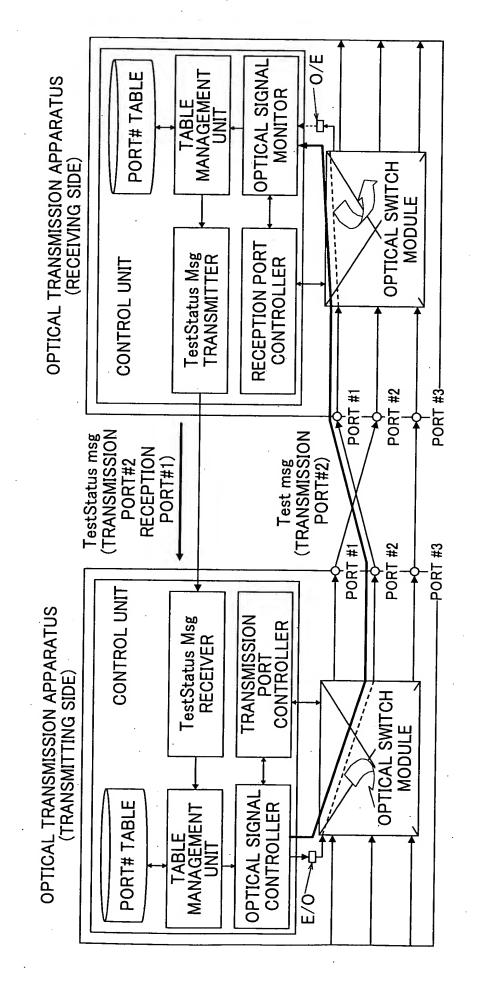


FIG.12C

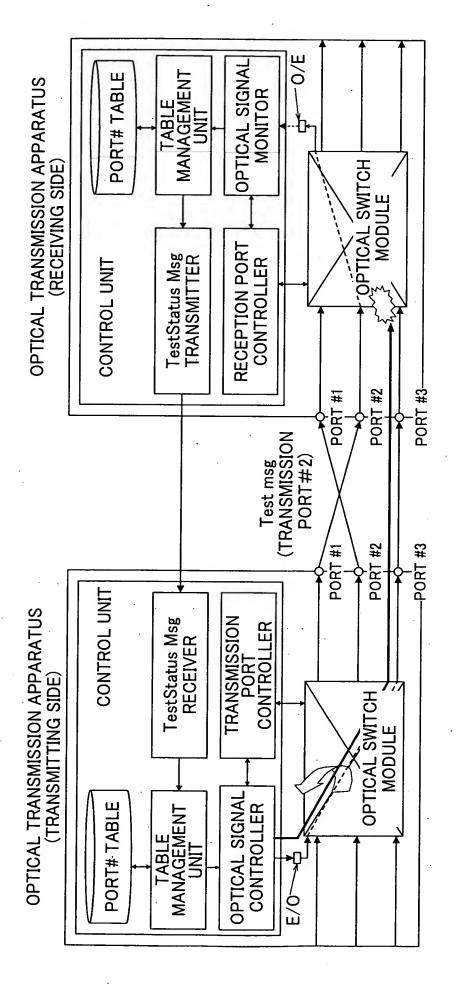


FIG.12D

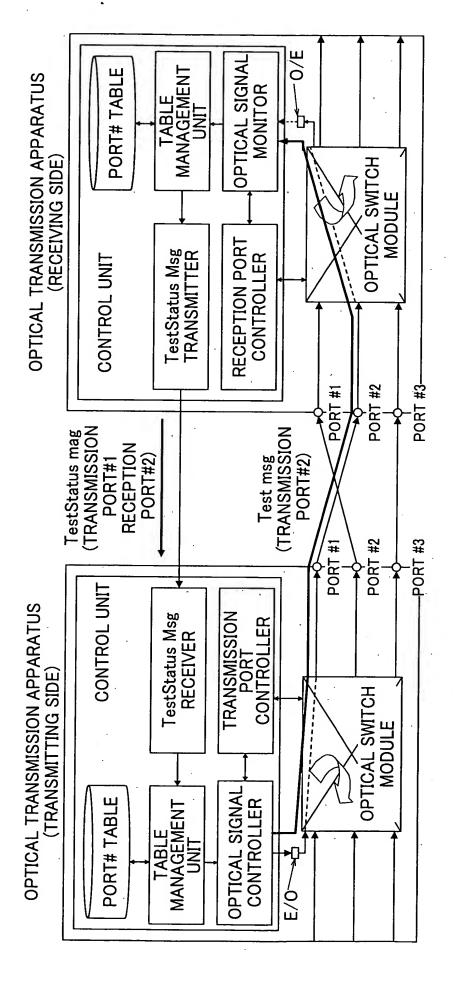
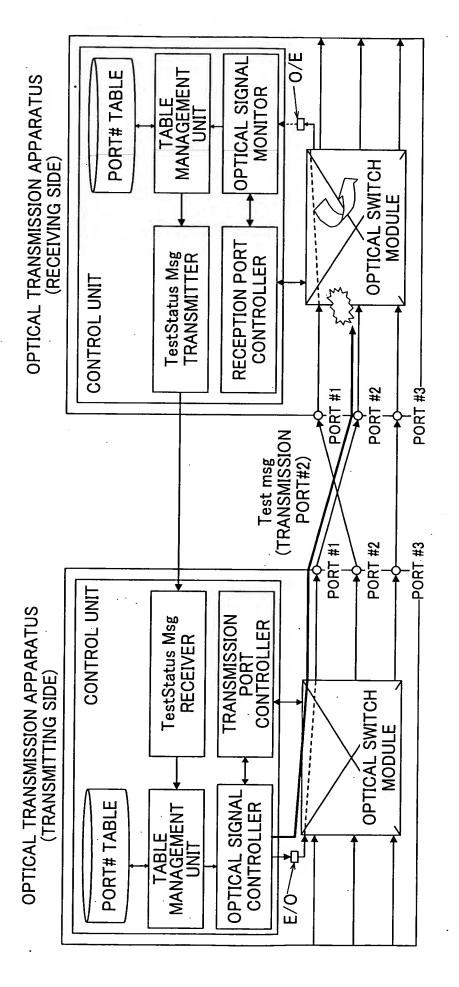


FIG.13A



O/E **OPTICAL SIGNA** TABLE MANAGEMENT UNIT PORT# TABLE OPTICAL TRANSMISSION APPARATUS MONITOR (RECEIVING SIDE) OPTICAL SWITCH MODULE RECEPTION PORT TestStatus Msg TRANSMITTER CONTROLLER CONTROL UNIT PORT #2 PORT #1 PORT #3 TestStatus msg (TRANSMISSION (TRANSMISŠION PORT#2 RECEPTION Test msg PORT#2) PORT#1) PORT #2 PORT #1 PORT #3 CONTROL UNIT **OPTICAL TRANSMISSION APPARATUS** TRANSMISSION PORT CONTROLLER TestStatus Msg RECEIVER (TRANSMITTING SIDE) OPTICAL SWITCH MODULE **OPTICAL SIGNAL** PORT# TABLE CONTROLLER MANAGEMENT UNIT TABLE E/0

FIG. 13B

FIG.13C

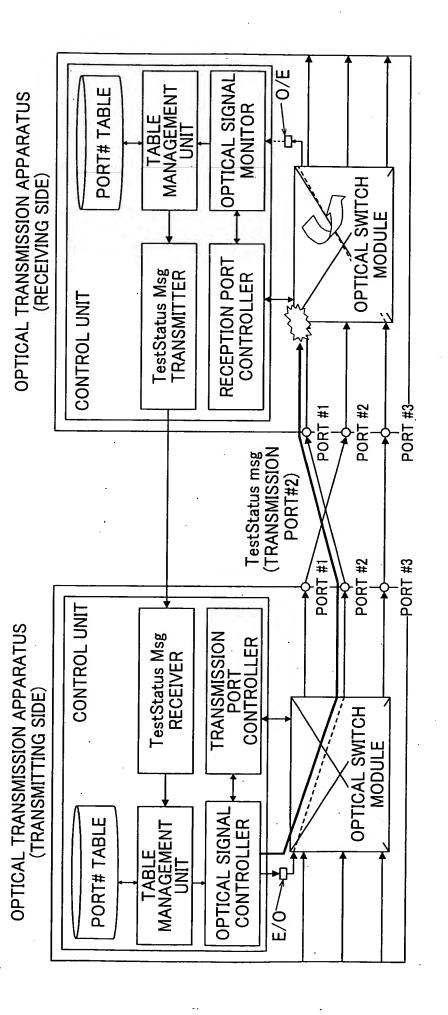


FIG. 13D

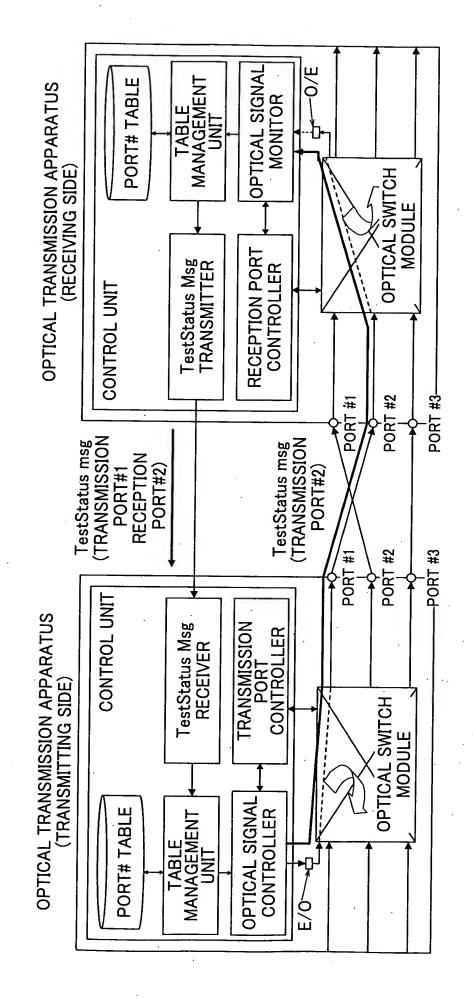


FIG.14A

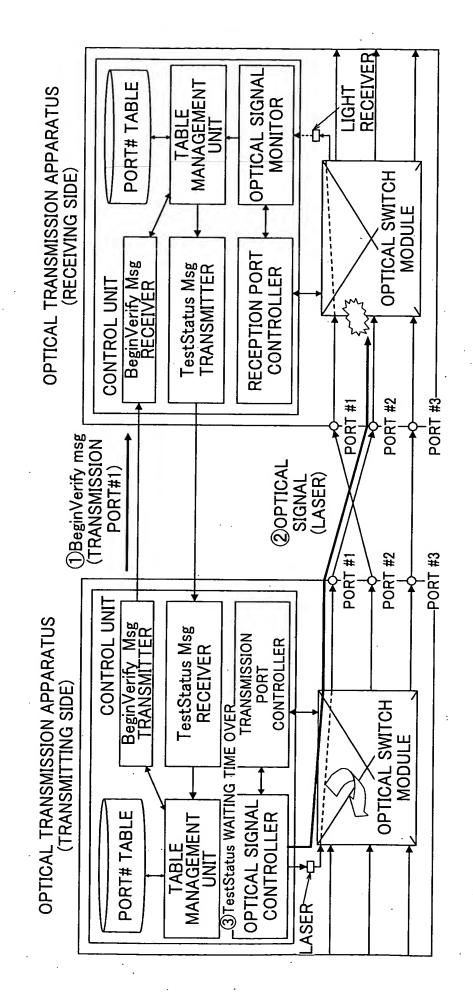


FIG.14B

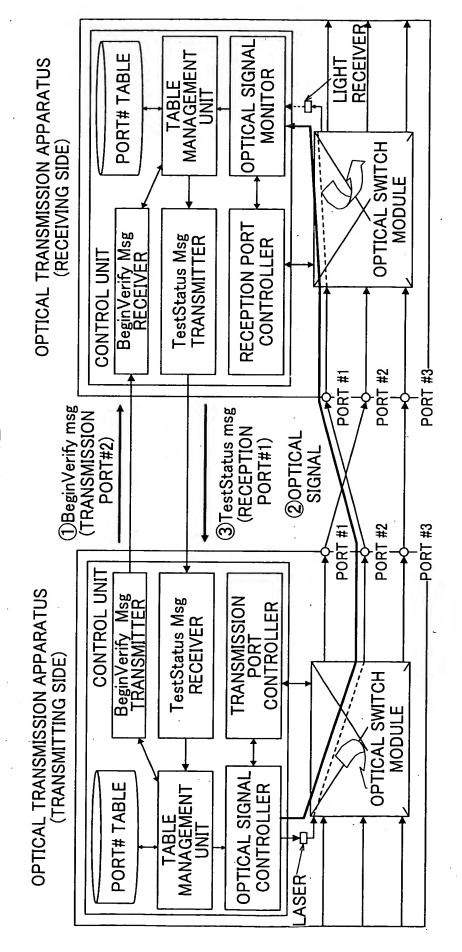


FIG.14C

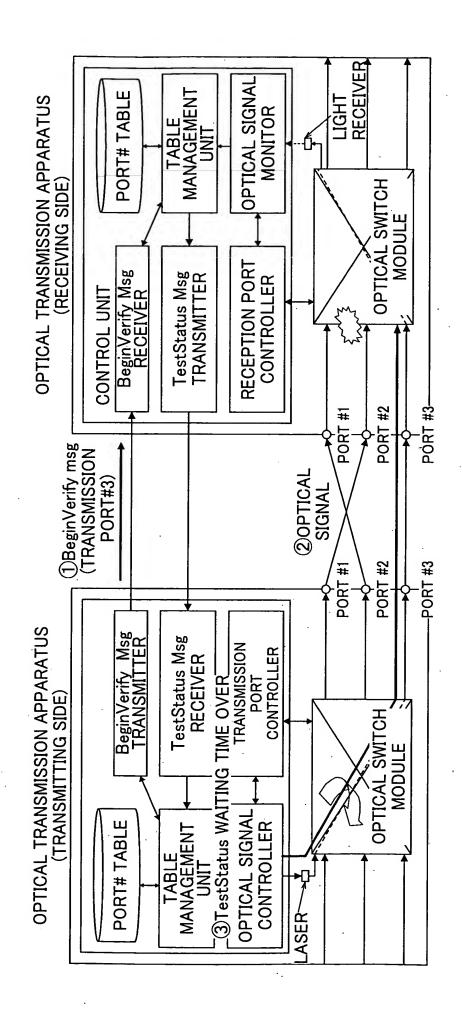


FIG.14D

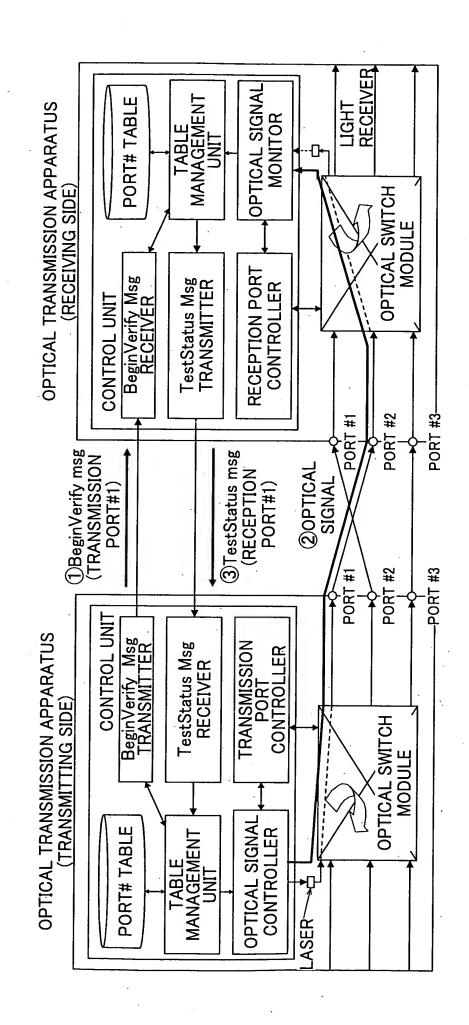


FIG.15A

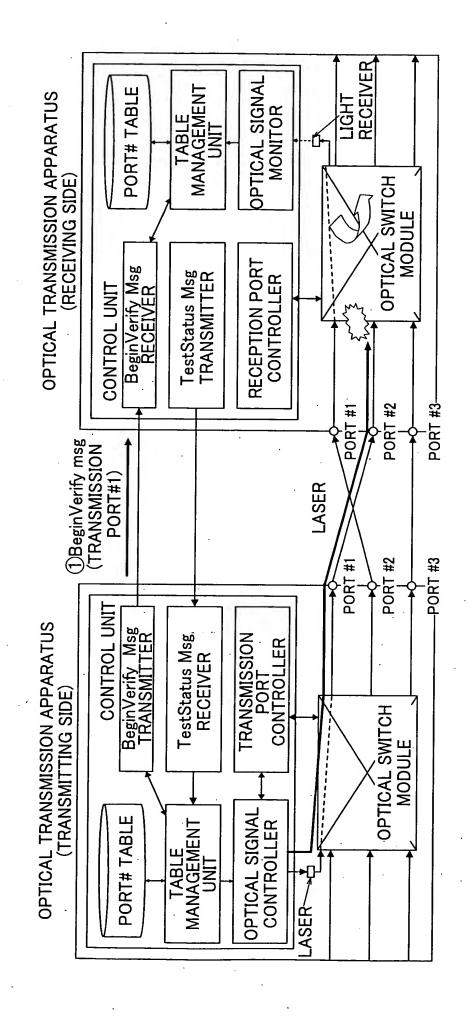


FIG.15B

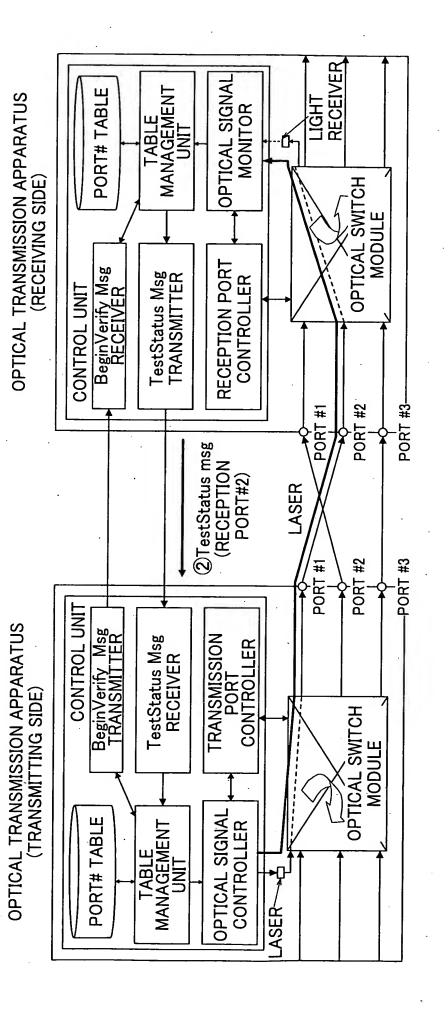


FIG. 15C

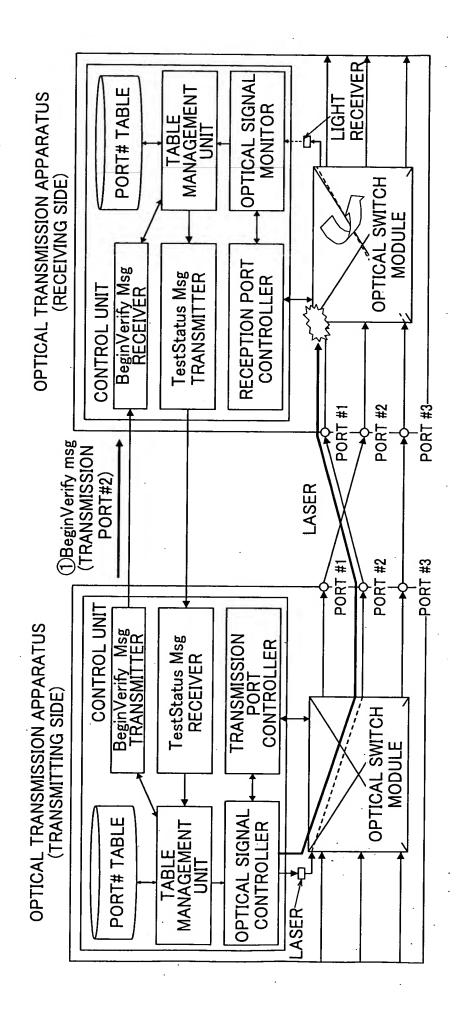


FIG.15D

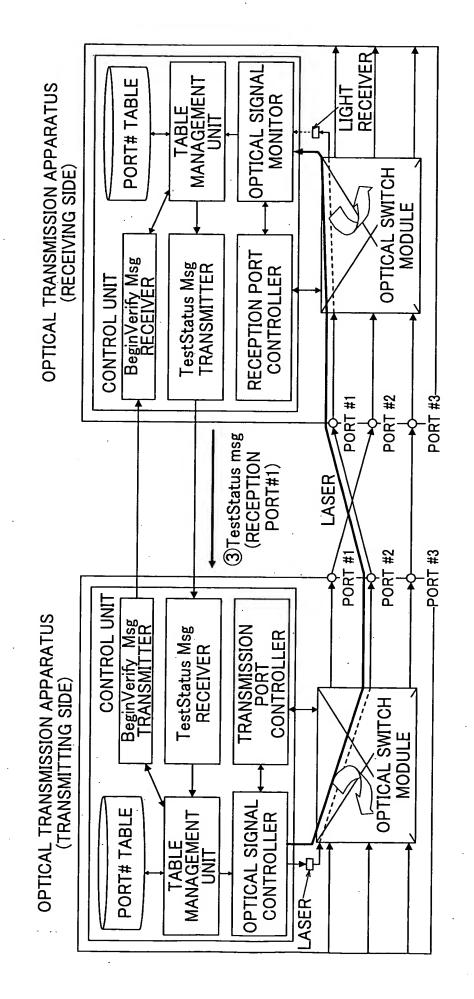


FIG.16A

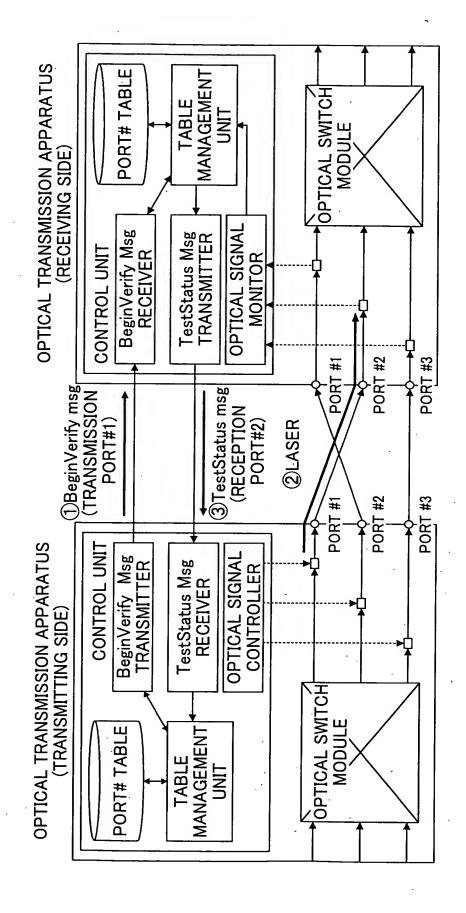


FIG. 16B

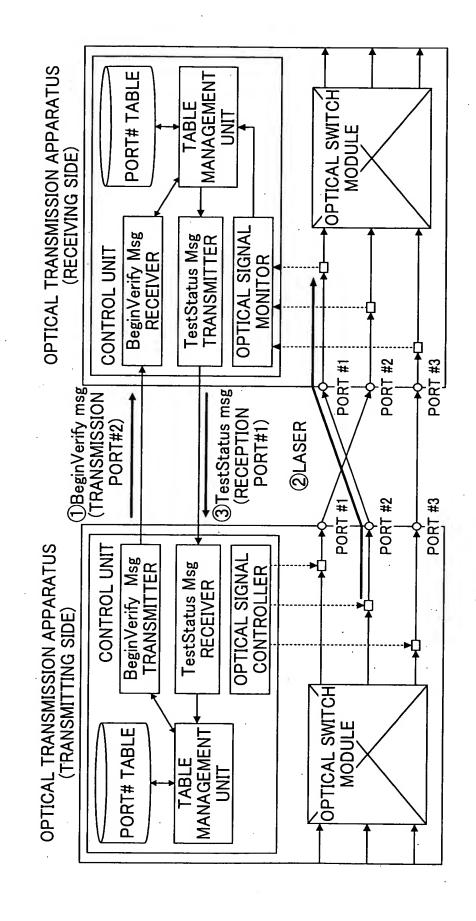


FIG.16C

